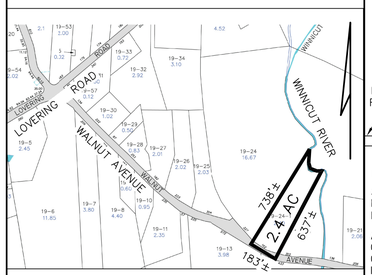
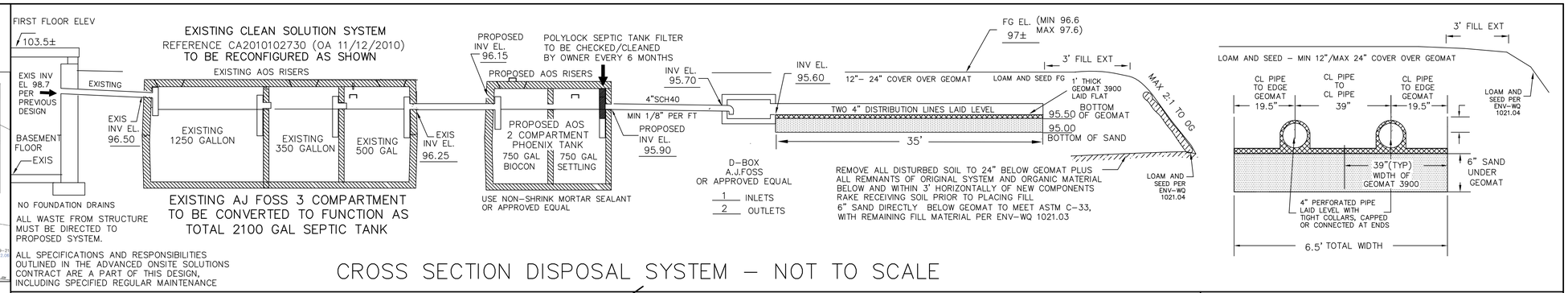
LOCUS MAP

NOT TO SCALE





CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

SOIL CLASS: 140–CHATFIELD/HOLLIS/CANTON
32 – BOXFORD

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 TOP OF EXISTING AOS TANK EL 97.50

#2 TOP OF 1" GALVANIZED PIPE EL 95.45

#3 BOTTOM TRIM @ COR HSE EL 102.36

#4

DESIGN INTENT: (GEOMAT COMPONENTS)

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 95.5

2. THERE IS/ARE APPROX 2.5' FT BELOW EXISTING (EL 98) GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

BED BOTTOM MATCHES PREVIOUSLY APPROVED BED BOTTOM ELEVATION WHICH WAS STATED AS 2.2 ABOVE ESHWT AT ORIGINAL HIGH CONTOUR. GEOMAT ITA IS APPROVED WITHOUT WAIVER FOR 24" ABOVE ESHWT.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 — EXISTING CONTOUR
- (50) — PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D30010
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD PRE 1967 REF RCRD PLAN 02009 (1953)

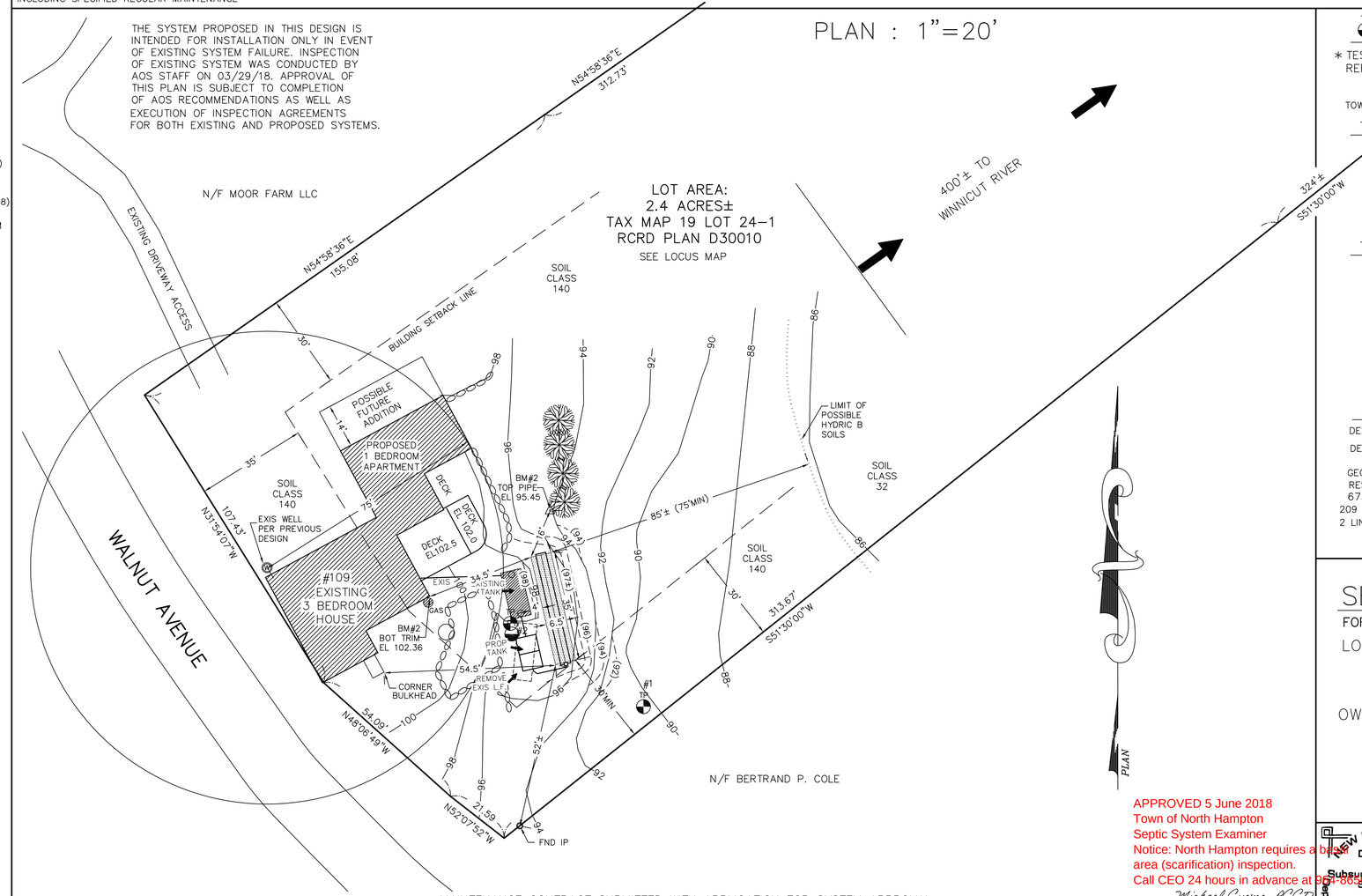
   PREVIOUS CONSTRUCTION APPROVAL CA2010102730 (OPERATIONAL APPROVAL 11/12/2010)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, EJECTOR PUMP, OR WASTE FROM JACUZZI/HOT TUB SYSTEMS. BACKWASH FROM SAME OR WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL
4. NO SURFACE WATER, WELL, OR HYDRIC SOILS WITHIN 75' OF PROPOSED DISPERSAL AREA.
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404)

   INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.
6. PROPOSED ISDS IS DESIGNED TO SERVICE TWO DWELLING UNITS WITH DISHWASHERS, WASHING MACHINES, TOILETS, AND TUB/SHOWERS.
7. THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL
8. BY SIGNING APPLICATION FOR APPROVAL OF THIS PLAN, OWNER ACKNOWLEDGES THAT HE HAS BEEN ADVISED THAT PROPER FUNCTION OF SEPTIC SYSTEMS CAN BE INHIBITED OR DISRUPTED BY THE FOLLOWING:
   A) GARBAGE DISPOSAL OR OTHER CHEMICAL OR BIOLOGICAL ADDITIVES.
   B) EXCESSIVE USE OF BLEACH OR OTHER CLEANING PRODUCTS.
   C) OVERWATERING OF IRRIGATION SYSTEMS.
   D) [illegible] ATION IN AMOUNT AND [illegible] OF WASTE STREAM.

   [illegible] SHOULD [illegible] BE CONDUCTED AT LEAST

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Date: 6/6/2018
#eCA2018060627

PLAN : 1"=20'



TEST PIT DATA

* TEST PIT DATA IS REPRODUCED FROM PREVIOUS DESIGN REFERENCE CA2010102730 (OA 11/12/2010)

DATE: 09/15/2010

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 *

DEPTH	DESCRIPTION
0 –14"	10YR3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
14–55"	2.5Y5/3, CLAY, BLOCKY, FIRM

ROOTS: 29"
OBSERVED WATER: NONE
REFUSAL: NONE
ESHWT: 14 IN
RESTRICTIVE LAYER: 14"

TEST PIT #2 *

DEPTH	DESCRIPTION
0 –11"	10YR3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
11–27"	10YR4/4, SANDY LOAM, GRANULAR, FRIABLE
27–29"	10YR4/6, SANDY LOAM, GRABULAR FRIABLE
29–61"	2.5Y5/3, CLAY, BLOCKY, FIRM

ROOTS: 40"
OBSERVED WATER: NONE
REFUSAL: NONE
ESHWT: 29 IN
RESTRICTIVE LAYER: 29"
PERC RATE 8 MIN/IN AT 22"

PERC TEST DATA

DESIGN PERC RATE: 8 MIN/IN

DESIGN LOADING: 3 BEDRM HOUSE + 1 BEDRM APARTMENT:
450 GPD + 225 GPD = TOTAL 675 GPD DESIGN LOADING

GEOMAT HYDRAULIC LOADING:
RESIDENTIAL WITH PRETREATMENT @ 8MIN/IN = 3.23 GPD/SF
675 GPD LOADING /3.23 = 209 SQUARE FEET REQUIRED
209 SF@3.25 SF/LINEAR FT (GEOMAT 3900) = 64.3 LINEAR FT REQUIRED
2 LINES EACH 35' LONG PROPOSED FOR 70' LINEAR FEET PROVIDED.
GEOMATS TO BE CONTIGUOUS WITH 3' FILL EXTENSION FROM COMPONENTS ON ALL OUTER EDGES OF BED.

PROPOSED (SHELF)

SEPTIC SYSTEM PLAN

FOR INSTALLATION IN EVENT OF FAILED SYSTEM

LOCUS: 109 WALNUT AVENUE
NORTH HAMPTON, NH
TAX MAP 19 LOT 24–1

OWNER: POLLYANNA FORD
109 WALNUT AVENUE
NORTH HAMPTON, NH 03862

APPROVED 5 June 2018
Town of North Hampton
Septic System Examiner
Notice: North Hampton requires a bed area (scarification) inspection.
Call CEO 24 hours in advance at 603-964-5541
Michael Cuomo, RCCO

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
603 929–7404

DATE: MAY 1, 2018

APPROVAL:

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS MAINTENANCE CONTRACT SUBMITTED WITH APPLICATION FOR SYSTEM APPROVAL.

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.